



(microcapsule OR microparticle) AND (replace

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[D Abbott](#)

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[A Farmer](#)

[M Hedley](#)

Assessment of self-healing polymer technology for utility overhead applications - group of 3 »

BS Bernstein - Electrical Insulation Magazine, IEEE, 2006 - [ieeexplore.ieee.org](#)
... crack tip propagates and approaches the **microcapsule**, which then rup ... in Nature [2],
an epoxy **polymer** was mentioned ... a) develop- ment of a self-repair system that ...
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SELF-HEALING POLYMER COMPOSITIONS

A Skipor - US Patent 7,108,914 - Google Patents
... Dry et al., "Passive smart self-repair in **polymer** ... it causes product failure, which
creates **replacement** costs ... has been attached to the **microcapsule** according to ...
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Electrical cable with self-repairing protection - group of 3 »

S Belli, L Caimi, C Bosisio, A Bareggi, L Balconi, ... - US Patent 6,664,476, 2003 - Google Patents
... which is capable of solidifying rapidly once the **microcapsule** has beenbroken. ... 1A,
an expanded **polymer** layer (5) as described above, placed ... 20 **repair** the damage ...
[Related Articles](#) - [Web Search](#)

Development and Evaluation of Sensor Concepts for Ageless Aerospace Vehicles - group of 2 »

D Abbott, B Doyle, J Dunlop, A Farmer, M Hedley, J ... - Report, 2001 - [techreports.larc.nasa.gov](#)
... consider the implications of **self-healing** materials for ... possible scenarios for damage
detection and **repair**. ... regeneration cannot be simple **replacement**: it must ...
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[C Parrish](#)

[R Scaringe](#)

[J Sollecito](#)

[L Grzyll](#)

[J Short](#)

Adsorption cooling device and method for hazardous materials suits - group of 2 »

CF Parrish, RP Scaringe - US Patent 5,289,695, 1994 - Google Patents
Attorney, Agent, or Firm—Evenson, McKeown, Edwards & Lenahan [57] ABSTRACT
Arelatively lightweight cooling device and method utilizing adsorption of ...
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Cooling device and method for hazardous materials suits - group of 2 »

CF Parrish, RP Scaringe - US Patent 5,111,668, 1992 - Google Patents
[57] ABSTRACT Arelatively lightweight cooling device and method utilizing
adsorption of perspirated water vapor to per-mit evaporative cooling of a ...
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Innovation adsorption heating and cooling device for micro-climate applications - group of 2 »

CF Parrish, RP Scaringe - US Patent 5,291,750, 1994 - Google Patents
US PATENT DOCUMENTS 2,024,083 12/1935 Young 62/480 4,610,148 9/1986 Shelton
62/480 4,881,376 11/1989 Yoneyawa et al 62/480 Primary Examiner—John M. ...
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Spacecraft adsorption thermal storage device using a vapor compression heat pump - group of 2 »

RP Scaringe, CF Parrish, LR Grzyll - US Patent 5,142,884, 1992 - Google Patents
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[CITATION] Solvents, industrial

CF Parrish - Kirk-Othmer encyclopedia of chemical technology, 1983
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Operation, Modeling and Analysis of the Reverse Water Gas Shift Process - group of 3 »

JE Whitlow, CF Parrish - AIP Conference Proceedings, 2003 - link.aip.org
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Conference Proceedings 654, 1116 (2003)]. Jonathan E. Whitlow, Clyde F. Parrish. ...
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Solvent having high flash point - group of 3 »

BE Douda, CF Parrish, JE Short Jr - US Patent 4,260,509, 1981 - Google Patents
[75] Inventors: Bernard E. Douda, Bloomfield; Clyde F. Parrish, Terre Haute;
James E. Short, Jr., Switz City, all of Ind. ... [73] Assignee: The United ...
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Laser Induced Decomposition of 1, 4-Dioxane

E Watson Jr, CF Parrish - Journal of Chemical Physics, 2003 - link.aip.org
Laser Induced Decomposition of 1,4-Dioxane. [The Journal of Chemical
Physics 54, 1427 (1971)]. E. Watson, Jr., CF Parrish.
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DE Lueck, CF Parrish - AIP Conference Proceedings, 2006 - link.aip.org
As an alternative to magnetic propulsion for launch assist, the authors propose
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[CITATION] Development of an Innovative Spacecraft Thermal Storage Device

CF Parrish, RP Scaringe, DM Pratt - IECEC
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High temperature decomposition of hydrogen peroxide - group of 7 »

CF Parrish - US Patent 6,955,799, 2005 - Google Patents

Page 1. United States Patent Parrish (54) HIGH TEMPERATURE DECOMPOSITION OF HYDROGEN PEROXIDE (75) Inventor: Clyde F. Parrish, Melbourne, FL (US) ...
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Water purification method - group of 3 »

CF Parrish - US Patent 5,141,531, 1992 - Google Patents
Groth et al 55/33 Hussmann 55/179 Michel et al 55/33 Hussmann 55/33 Primary Examiner—Charles Hart Attorney, Agent, or Firm—Evenson, Wands, Edwards, ...
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Development of an innovative spacecraft thermal storage device - group of 3 »

CF Parrish, RP Scaringe, DM Pratt - IN: IECEC'91; Proceedings of the 26th Intersociety Energy ..., 1991 - adsabs.harvard.edu

Several adsorbent-refrigerant pairs have been examined which demonstrate that the innovative heat-pump-adsorption storage device (HPASD) presented can ...
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[CITATION] Enc. Chem. Technol

CF Parrish - 3rd
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Method for production of spacecraft-grade N. sub. 2 O. sub. 4 - group of 2 »

LR Grzyll, CF Parrish, LP Barthel-Rosa - US Patent 5,264,198, 1993 - Google Patents
3,674,429 7/1972 Collins 423/400 - 3,904,740 9/1975 Kenson et al. . 3,985,681 10/1976 S  n  s et al. . 4,024,219 5/1977 Takahashi et al 423/400 4,375,426 ...
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RP Scaringe, LR Grzyll, CF Parrish - US Patent 5,217,063, 1993 - Google Patents
59191 5/1981 Japan 165/32 Primary Examiner—Albert W. Davis, Jr. Attorney, Agent, or Firm—Evenson, McKeown, Edwards & Lenahan [57] ABSTRACT Athermal ...
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Solid-state Polymerization of 1, 2, 3, 4-Diepoxybutane Initiated by Cobalt-60  -Radiation

CF PARRISH - doi.wiley.com
Solid-state polymerizations initiated by  -radiation have been reported for both vinyl and cyclic monomers.12 Most investigations of cyclic monomers have ...
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Lightweight Passive Microclimate Cooling Device

... ENGINEERING CORP ROCKLEDGE FL, CF Parrish, RP ... - 1993 - stinet.dtic.mil
Abstract : The intermittent adsorption cooling concept has been successfully demonstrated and has produced cooling rates in the 300 W range. The design ...
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Radiation-Polymerization Binder for Mk 48 Decoy Flares

... DEPOT CRANE IND, CF Parrish, JE Short Jr, WT ... - 1973 - stinet.dtic.mil
An alternate method for production of Mk 48 flares is described. This method is based on the radiation polymerization of a binder/oxidizer system. ...
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[CITATION] Kinetics and mechanism of the liquid phase, radiation induced, solution polymerization of ethylene

CF Parrish - 1962 - University of Louisville
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Buffer gas acquisition and storage - group of 5 »

CF Parrish, DE Lueck, PA Jennings - AIP Conference Proceedings, 2006 - link.aip.org
The acquisition and storage of buffer gases (primarily argon and nitrogen) from the Mars atmosphere provides a valuable resource for blanketing and ...
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Photolysis of gaseous 1, 4-dioxane at 1470 Ang

RR Hentz, CF Parrish - The Journal of Physical Chemistry, 1971 - pubs.acs.org
(7) T. H. Elmer, ID Chapman, and ME Nordberg, J. Phys. ... Chem., 67, 2219 (1963). (8) I. D. Chapman and M. L. Hair, J. Catal., 2, 145 (1963). (9) H. ...
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Phase diagram and X-ray diffraction analysis of the acrylic acid-acrylamide system

CF Parrish, GL Kochanny, HW Rinn - Journal of Polymer Science Part A-1 Polymer Chemistry, 1969 - doi.wiley.com
Page 1. JOURNAL OF POLYMER SCIENCE: PART A-1 VOL. 7, 2531-2535 (1969) Phase Diagram and X-Ray Diffraction Analysis of the Acrylic Acid-Acrylamide System ...
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[Space Colonization - group of 4 »](#)

CF Parrish - Aerospace America, 2004 - [aiaa.org](#)

2004 has been a pivotal year for space colonization, with the January 21 announcement by President Bush outlining a new vision for space ...

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[Radiation induced polymerization. 1- A pyrotechnic binder\(Irradiation curing process for producing ...](#)

WT BIGGS, CF PARRISH - 1971 - [csa.com](#)

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[Radiation-induced polymerization. I. A pyrotechnic binder](#)

WT Biggs, CF Parrish - Journal of Applied Polymer Science, 1972 - [stinet.dtic.mil](#)

It is the intent of the work described in the report to illustrate a process which readily lends itself to an irradiation curing process, viz., the production of ...

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[High performance immobilized liquid membrane for carbon dioxide separations - group of 3 »](#)

CF Parrish - US Patent 6,958,085, 2005 - [Google Patents](#)

Page 1. United States Patent Parrish (54) HIGH PERFORMANCE IMMOBILIZED LIQUID MEMBRANE FOR CARBON DIOXIDE SEPARATIONS (75) Inventor ...

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